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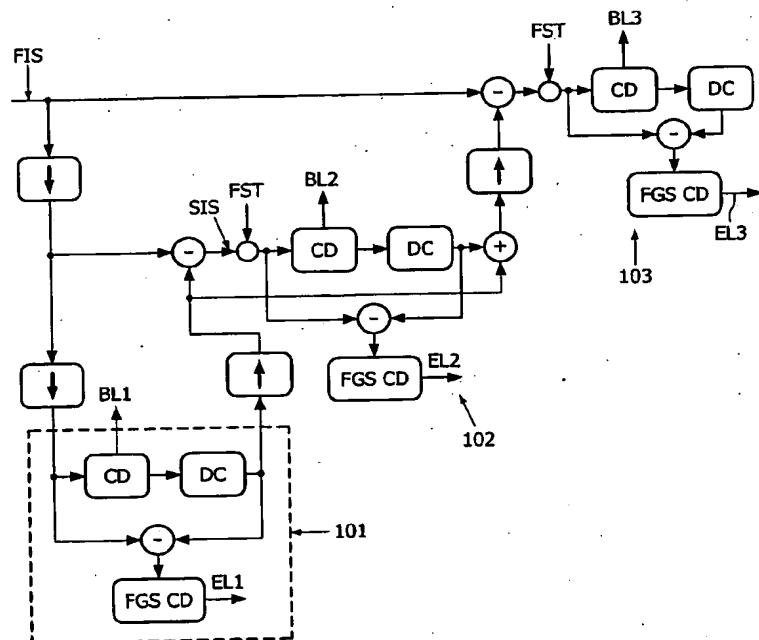
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(54) Title: METHOD OF SPATIAL AND SNR FINE GRANULAR SCALABLE VIDEO ENCODING AND TRANSMISSION



(57) Abstract: The invention relates to a method of coding video data available in the form of a first input stream of video frames, and to a corresponding coding device. This method, implemented for instance in three successive stages (101, 102, 103), comprises the steps of (a) encoding said first input stream to produce a first coded base layer stream (BL1) suitable for a transmission at a first base layer bitrate ; (b) based on said first input stream and a decoded version of said encoded first base layer stream, generating a first set of residual frames in the form of a first enhancement layer stream and encoding said stream to produce a first coded enhancement layer stream (EL1) ; and (c) repeating at least once a similar process in order to produce further coded base layer streams (BL2, BL3,...) and further coded enhancement layer streams (EL2, EL3,...). The first input stream is thus, for obtaining a required spatial resolution,

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compressed by encoding the base layers up to said spatial resolution with a lower bitrate and allocating a higher bitrate to the last base layer and/or to the enhancement which corresponds to said required spatial resolution. A corresponding transmission method is also proposed.

**Declaration under Rule 4.17:**

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